U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report No. 81-3-18

Issued: 7/29/81

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, CROATAN NATIONAL FOREST, NORTH CAROLINA

LAND OWNERSHIP OR SURVEY AREA: Croatan National Forest

STATE: North Carolina

AREA WITHIN SURVEY BOUNDARY: 308,226 acres

DATE: July 22, 1981

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 210

CREW: John Ghent, Asheville Field Office; Bob Kaylor, Croatan National Forest; and Trudy Brandau, Aerial Survey Team, Doraville Field Office

REPORT PREPARED BY: Trudy Brandau

SURVEY OBJECTIVE

To determine the extent of current southern pine beetle activity within the Croatan National Forest and compare to the previous years beetle damage.

SURVEY RESULTS

Scattered spots of dying red top pines ranging in size from 1 to 10 trees were detected on the Croatan National Forest. Of the 64 spots observed, 43 were plotted in Carteret County in the southern region of the forest where the majority of previous years southern pine beetle spots were located. The largest of the spots (5-10 trees) appeared to be bordering the pocosins near old beetle spots and fire burn areas.

CONCLUSION

The southern pine beetle damage observed on this survey has decreased from that of the previous year and currently is considered to be at a low level. This year there was an increase in the number of dying trees located in the survey area, but the number of affected trees within the spots was considerably less from last year. Many of the spots were single red trees. According to Bob Kaylor, a forester on the Croatan National Forest who has been involved in ground detection surveys, the single dead trees observed were killed by lightning strikes. The Croatan National Forest personnel should continue to be on the look-out for any increase in beetle activity and notify the Forest Pest Management offices for further assistance.

For additional information, contact:

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Doraville, GA 30340
Telephone: 404/221-4796

or

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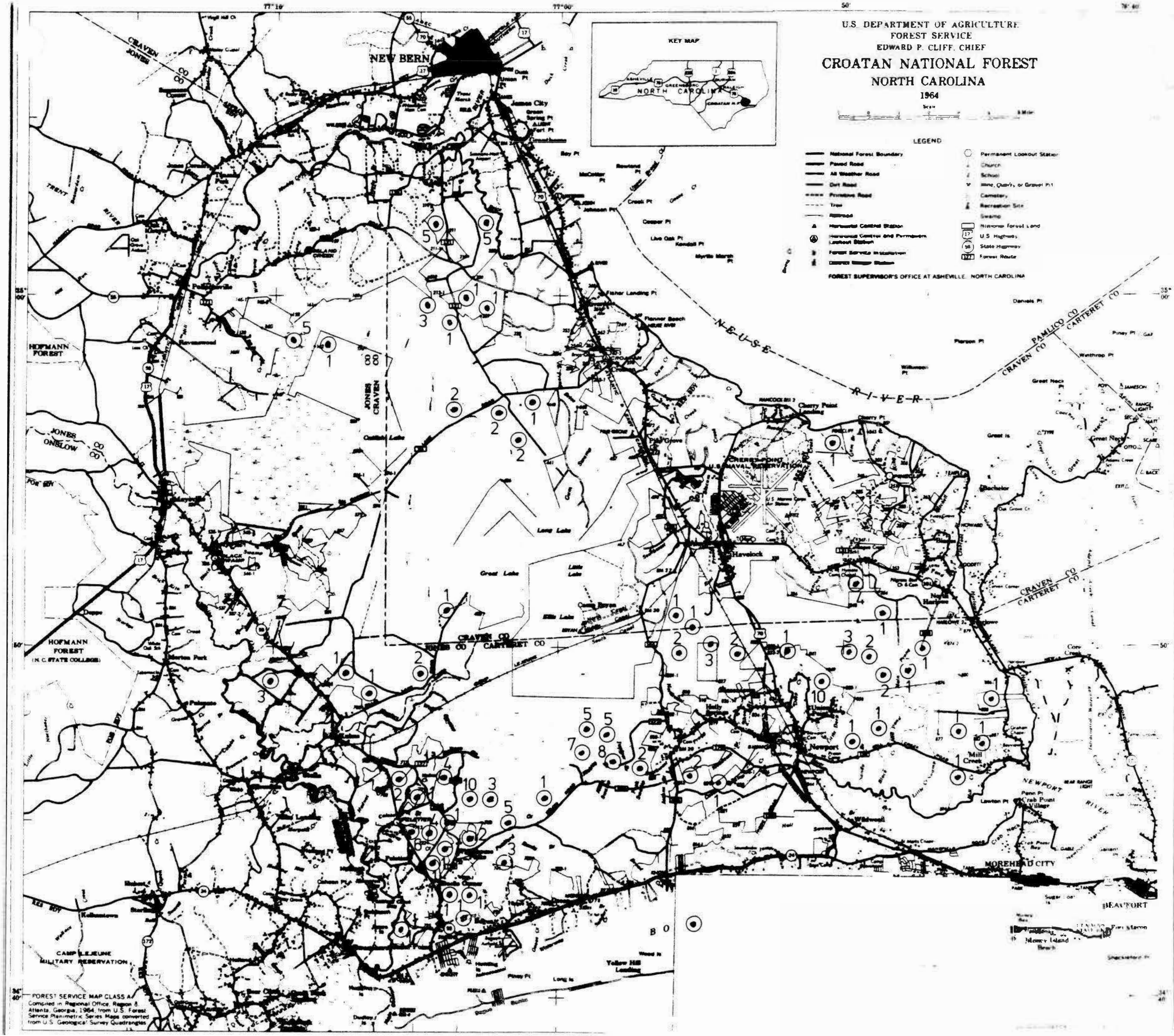
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
EDWARD P. CLIFF, CHIEF
CROATAN NATIONAL FOREST
NORTH CAROLINA
1964
KEY MAP
NORTH CAROLINA
LEGEND
National Forest Boundary
Paved Road
All Weather Road
Dirt Road
Primitive Road
Trail
Railroad
Permanent Lookout Station
Church
School
Cemetery
Recreation Site
Swamp
U.S. Highway
State Highway
Forest Route
FOREST SUPERVISOR'S OFFICE AT ASHEVILLE, NORTH CAROLINA
NEW BERN
James City
HOFMANN FOREST
HOFMANN FOREST (N. C. STATE COLLEGE)
JONES CRAVEN
CRAVEN CO CARTERET CO
JONES ONSLOW CO CO
PAMLICO CO CARTERET CO
N-E-U-S-E R-I-V-E-R
TRENT RIVER
Havelock
Newport
Mill Creek
NEWPORT RIVER
MOREHEAD CITY
BEAUFORT
Long Lake
Great Lake
Catfish Lake
CAMP LEJEUNE MILITARY RESERVATION
Yellow Hill Landing
FOREST SERVICE MAP CLASS A
Compiled in Regional Office, Region 8, Atlanta, Georgia, 1964, from U.S. Forest Service Planimetric Series Maps converted from U.S. Geological Survey Quadrangles